This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

BLACK BORDERS

IMAGE CUT OFF AT TOP, BOTTOM OR SIDES

FADED TEXT OR DRAWING

BLURRED OR ILLEGIBLE TEXT OR DRAWING

SKEWED/SLANTED IMAGES

COLOR OR BLACK AND WHITE PHOTOGRAPHS

GRAY SCALE DOCUMENTS

LINES OR MARKS ON ORIGINAL DOCUMENT

REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

IMAGES ARE BEST AVAILABLE COPY.

OTHER:

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.



UNITED STATES PATENT AND TRADEMARK OFFICE



UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/086,277	02/28/2002	Sanjay Kaluskar	264/237	264/237 2046	
22249	7590 09/10/2004		EXAM	INER	
LYON & L	YON LLP IFTH STREET		CORRIELU	S, JEAN M	
SUITE 4700	IT IT STREET		ART UNIT	PAPER NUMBER	
LOS ANGEI	LES, CA 90071		2172		
			DATE MAILED: 09/10/2004	4	

Please find below and/or attached an Office communication concerning this application or proceeding.

RECEIVED

SEP 2 5 2004

Technology Center 2100

	Application No.	Applicant(s)
Office Action Summan	10/086,277	KALUSKAR ET AL.
Office Action Summary	Examiner	Art Unit
	Jean M Corrielus	2172
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with th	e correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	26(a). In no event, however, may a reply be within the statutory minimum of thirty (30) will apply and will expire SIX (6) MONTHS for cause the application to become ABANDC	e timely filed days will be considered timely. rom the mailing date of this communication. DNED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 28 Fe	ebruary 2002.	
2a) ☐ This action is FINAL . 2b) ☒ This	action is non-final.	
3) Since this application is in condition for allowar	nce except for formal matters,	prosecution as to the merits is
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11,	453 O.G. 213.
Disposition of Claims		
4) Claim(s) is/are pending in the applicatio	n.	
4a) Of the above claim(s) is/are withdraw	•	
5) Claim(s) is/are allowed.		
6) Claim(s) <u>1,4,5,8-13,16,17,20-22,27,32,33,36,3</u>	7,40-44,48,50-58,62,63,67 and	d 68 is/are rejected.
7) Claim(s) <u>2,3,6,7,14,15,18,19,23-26,28-31,34,3</u>		-
8) Claim(s) are subject to restriction and/o		
Application Papers		
9)☐ The specification is objected to by the Examine	r	
10) The drawing(s) filed on is/are: a) □ acce		e Examiner
Applicant may not request that any objection to the		
Replacement drawing sheet(s) including the correcti		
11) The oath or declaration is objected to by the Ex		
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119	(a)-(d) or (f).
a) All b) Some * c) None of:		
1. Certified copies of the priority documents		
2. Certified copies of the priority documents		
3. Copies of the certified copies of the prior		ived in this National Stage
application from the International Bureau * See the attached detailed Office action for a list of	-	ivad
action of action of action of a list (or the certified cobies flot fece	iyeu.
Attachment(s)	→	
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) 🗍 Interview Summa Paper No(s)/Mail	ary (PTO-413) Date
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)		Il Patent Application (PTO-152)
Paper No(s)/Mail Date <u>2/2/04</u> .	6) Other:	·
U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Office Act	tion Summary	Part of Paper No./Mail Date 3



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

APPLICATION NO."	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
10/086,277	-	×	
			EXAMINER
			ART HAIT PAPER NUMBER

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Please reset the time one month from the time mailing of this Correspondence.

fear H. Corrichus

Primary Examiner

ART Unit 2172

Date August 84, 2004

Application/Control Number: 10/086,277

Art Unit: 2172

DETAILED ACTION

This office action is in response to the application filed February 28, 2002, in which claims 1-68 are presented for examination.

Information Disclosure Statement

2. The information disclosure statement filed February 2, 2004 complies with the provisions of 37 CFR 1.97 and MPEP § 609. It has been placed in the application file. The information referred to therein has been considered as to the merits.

Drawings

3. Applicants are required to furnish the formal drawings in response this office action. No new matter may be introduced in the required drawing. Failure to timely submit a drawing will result in **ABANDONMENT** of the application.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C.-103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any

Application/Control Number: 10/086,277

Art Unit: 2172

evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

6. Claims 1, 4-5, 8-13, 16-17, 20-22, 27, 32, 33, 36, 37, 40-44, 48, 50-58, 62-63 and 67-68 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chow et al., (hereinafter "Chow") US Patent no. 5,875,334.

As to claim 1, Chow discloses the claimed "receiving a database statement from a client" by means of receive a query statement from a user (col.1, lines 63-67); and "searching memory for a similar database statement" by comparing the SQL3 control statements (col.2, lines 25-29; col.10, lines 54-67), wherein the REPEAT statements is similar to WHILE statements (col.12, lines 23-48). Chow does not explicitly disclose the use of reusing a data structure compiled for said similar database statement to execute said database statement when a system parameter is configured to control data structure sharing. However, Chow discloses a V2 compiler, where the declaration and reference of a cursor is processed in a way which involves the collaboration between the pre-processor and SQL compiler is setup to control data structure sharing (col.7, lines 50-67; col.32, lines 4-15; col.42, lines 13-52). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Show's system wherein the plan optimizer, provided therein (items 116 of fig.1) would incorporate the use of reusing a data structure compiled for said similar database statement to execute said database statement when a system parameter is configured to control data structure sharing because that

Application/Control Number: 10/086,277

Art Unit: 2172

would provide Chow's system the enhanced capability of compiling query statements and control statements while still enabling and enhancing the efficiency of the system.

As to claim 4, Chow discloses the claimed "wherein reusing a data structure compiled for said similar database statement occurs when a command line parameter is configured to control data structure sharing" (col.6, lines 25-36; col.23, lines 36-67).

As to claim 5, Chow discloses the claimed "wherein the command line parameter is a hint for enabling a one-time system parameter override" (col.7, lines 50-67).

As to claim 8, Chow discloses the claimed "returning a result set to the client if said database statement is a query" (col.39, lines 35-45).

As to claim 9, Chow discloses the claimed "wherein reusing a data structure includes executing the execution plan compiled from said similar database statement" (col.23, lines 35-65).

As to claim 10, Chow discloses the claimed "wherein said data structure a cursor" (col.42, lines 14-34).

As to claim 11, Chow discloses the claimed "wherein said database statement and said similar database statement are SQL statement" (col.23, lines 35-65).

Application/Control Number: 10/086,277 Page 5

Art Unit: 2172

As to claims 12-13, 16-17 and 20-21, the limitations of claims 12-13, 16-17 and 20-21 have been mentioned in the rejection of claims 1, 4-5 and 8-11 above. They are therefore, rejected under the same rationale.

As to claims 22, 27, 32-33, 36-37 and 40-43, the limitations of claims 22, 27, 32-33, 36-37 and 40-43 have been mentioned in the rejection of claims 1, 4 and 8-11 above. They are therefore, rejected under the same rationale.

As to claims 44, 48 and 50-57, the limitations of claims 44, 48 and 50-57 have been mentioned in the rejection of claims 1, 4 and 8-11 above. They are therefore, rejected under the same rationale. In addition, Chow discloses the claimed "a parser for hard parsing the database statement" (col.); "building an expression tree from the database" (col.); and "a syntactic analyzer" (col.7, line 66-col.8, line 7).

As to claims 58, 62 and 67-68, the limitations of claims 58, 62 and 67-68 have been mentioned in the rejection of claims 1, 4 and 8-11 above. They are therefore, rejected under the same rationale.

Allowable Subject Matter

7. Claims 2-3, 6-7, 14-15, 18-19, 23-26, 28-31, 34-35, 38-39, 45-47, 49, 59-61 and 64-66 are objected to as being dependent upon a rejected base claim, but would be allowable if

Art Unit: 2172

rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean M. Corrielus whose telephone number is (703) 306-3035. The examiner can normally be reached on Monday - Friday (12:00pm - 7:30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E Breene can be reached on (703) 305-9790. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jean M. Corrielus

Patent Examiner

August 24, 2004

FEB 0 2 2004

PTO/SB/08a (08-03) Approved for use through 07/31/2006, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

no persons are required to respond to a collection of information unless it contains a valid OMB control number. vork Reduction Act o

Attorney Docket Number

Substitute for form 1449A

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet of

	Complete if Known		
Application Number	10/086,277	RECE	WED
Filing Date	February 28, 2002	HEUL	ハトロ
First Named Inventor	Sanjay Kaluskar	FFB-0	5 2004
Arl Unit	2171	- 15D A	2004
Examiner Name	Not yet assigned	Tachaology	Contar 2100
Attorney Docket Number	264/237	-Technology	Deliter Tion

	U.S. PATENT DOCUMENTS						
Examiner	Initials No. Number - Kind Code ² (if known)	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant		
Initials .		MM-DD-YYYY	Cited Cochinent	Passages or Relevant Figures Appear			
سال	1	6,615,206	9/2/2003	Jakobsson et al.			
M	2	6,606,627	8/12/2003	Guthrie et al.			
	3	6,581,055	6/17/2003	Ziauddin et al.			
	4	6,546,394	4/8/2003	Chong et al.			
	5	6,505,227	1/7/2003	Mirchandaney et al.			
	6	6,470,423	10/22/2002	Ho et al.			
_ _	7	6,439,783	8/27/2002	Antoshenkov			
	8	6,421,662	7/16/2002	Karten			
	9	6,401,083	6/4/2002	Agarwal et al.			
	10	6,374,257	4/16/2002	Guay et al.			
	11	6,370,619	4/9/2002	Ho et al.			
	12	6,370,522	4/9/2002	Agarwal et al.			
	13	6,351,742	2/26/2002	Agarwal et al.			
	14	6,144,957	11/7/2000	Cohen et al.			
	15	6,029,163	2/22/2000	Ziauddin			
	16	6,026,391	2/15/2000	Osborn et al.			
	17	6,014,656	1/11/2000	Hallmark et al.			
	18	5,974,408	10/26/1999	Cohen et al.			
	19	5,956,705	9/21/1999	Stevens et al.			
11	. 20	5,907,844	5/25/1999	Guay et al.			

		FOREIGN PA	TENT DOCU	MENTS		
Examiner	Cite	Foreign Patent Document	Dublication	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
·	<u> </u>					
						
		· · · · · · · · · · · · · · · · · · ·				
	}					
		·				
						
			•			

Examiner Signature	fear	lorne lus	Date Considered	5/29/04	

*EXAMINER: Initial / deference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include objy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. Applicant is to place a check mark here if English language

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the includical case. Any comments on the USPTO will be provided to the confidence of the complete of th Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

To missing the Commission of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

FEB 0 2 2004 IN

PTO/SB/08a (08-03)

Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE der the Caperwork Reduction Agon 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1445 FRANCE OF THE PROPERTY OF THE PROPERT

Sheet

2

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 3

	Complete if Known		1
Application Number	10/086,277		
Filing Date	February 28, 200	2RECEP	WED)
First Named Inventor	Sanjay Kaluskar		1
Art Unit	2171	FEB 0 5	7 004
Examiner Name	Not yet assigned		1
Attorney Docket Number	264/237	Technology Ce	Ater 210

			U.S. PATENT D	OCUMENTS	
Examiner ()	Cite No.	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
m	21	5,903,888	5/11/1999	Cohen et al.	- The state of the
4	22	5,899,993	5/4/1999	Jenkins, Jr.	
	23	5,899,986	5/4/1999	Ziauddin	
	24	5,892,945	4/6/1999	Mirchandaney et al.	
	25	5,857,180	1/5/1999	Hallmark et al.	
\perp	26	5,822,748	10/13/1998	Cohen et al.	
	27	5,819,251	10/6/1998	Kremer et al.	
	28	5,802,523	9/1/1998	Jasuja et al.	
	29	5,802,521	9/1/1998	Ziauddin et al.	
	30	5,761,654	6/2/1998	Tow	
	31	5,664,172	9/2/1997	Antoshenkov	:
	32	5,495,608	2/27/1996	Antoshenkov	
	33	5,412,804	5/2/1995	Krishna	
	34	5,404,510	4/4/1995	Smith et al.	
╂					
-					
7			15.		·

FOREIGN PATENT DOCUMENTS						
Examiner Initials* Cite No.1 Coun	Foreign Patent Document	Chabillantina	Name of Patentee or	Pages, Columns, Lines,		
	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	τ°	
		 				
						
					· · · · · · · · · · · · · · · · · · ·	

Examiner Signature	tea	Correlas	Date Considered	Hay	28	200.4	

*EXAMINER: Initial preference considered, whether or not citation is in conformance with MPEP 609. Draw line prough citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Traistation is attached.

This collection of information is required by 37 CFR 1.97 and 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Arry comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

FEB 0 2 2004 Paperwork Reduction

PTO/SB/08b(08-03) P1 O/SB/08b(08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 14458

Sheet

3

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 3

Complete if Known Application Number 10/086,277 Filing Date February 28, 2002 First Named Inventor Sanjay Kaluskar

Art Unit 2171 <u>EFR 115</u> Examiner Name

Not yet assigned Attorney Docket Number 264/237

Technology Center 2100

			-07	
		NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
the	35	LEVERENZ, LEFTY et al., Oracle8 Server Concepts, 1997, pp. 13-1 to 13-19 and 19-1 to 19-68.		
<u> </u>				
		·		

Examiner Signature	Lea	Course lun :	Date Considered	Hart 2	8 2004
	1			/ /	

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Drawline through citation if not in conformance and not considered include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete including patheging preparing and submitting the complete includes. to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Notice of References Cited

Application/Control No. 10/086,277	Reexamination	Applicant(s)/Patent Under Reexamination KALUSKAR ET AL.			
Examiner	Art Unit				
Jean M Corrielus	2172	Page 1 of 1			

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	Α	US-5,875,334	02-1999	Chow et al.	717/141
	В	US-6,457,007	09-2002	Kikuchi et al.	707/10
	С	US-6,269,373	07-2001	Apte et al.	707/10
	D	US-6,598,041	07-2003	Bernal et al.	707/3
	E	US-6,643,637	11-2003	Chen et al.	707/2
	F	US-6,694,305	02-2004	Bernal et al.	707/2
	G	US-6,665,678	12-2003	Ching Chen et al.	707/100
	Н	US-6,721,731	04-2004	Cornwell et al.	707/3
	1	US-5,758,144	05-1998	Eberhard et al.	707/2
	J	US-5,734,884	03-1998	Eberhard et al.	707/2
	К	US-5,963,742	10-1999	Williams, Gerald S.	717/143
	L	US-5,615,359	03-1997	Yung, Alex	707/10
	М	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	0					
	Р					
	Q					
	R					
	s					
	Т					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertin ent Pages)	
	U		
	V		
	W		
	х		

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYYY format are publication dates. Classifications may be US or foreign.